

**PATENT**

Attorney's Docket No. D-362

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**COMBINED DECLARATION AND POWER OF ATTORNEY**

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As a below named inventor, I hereby declare that:

**TYPE OF DECLARATION**

This declaration is of the following type:

/X/ original

**INVENTORSHIP IDENTIFICATION**

My residence, post office address and citizenship are as stated below next to my name, I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**TITLE OF INVENTION**

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QUADRATURE PRODUCT SUBCARRIER MODULATION METHOD

---

**SPECIFICATION IDENTIFICATION**

The specification of which is attached hereto.

**ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR**

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations section 1.56(a).

/ In compliance with this duty there is attached an information disclosure statement. 37 CFR 1.97.

(Declaration & Power of Attorney --page 1 of 2)

## POWER OF ATTORNEY

As a named inventor, I hereby appoint the following attorney(s) and/or agents(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Derrick Michael Reid, Reg. No. 32,096

## SEND CORRESPONDENCE TO:

Derrick M. Reid  
Patent Attorney  
The Aerospace Corporation  
P. O. Box 92957 (M1/040)  
Los Angeles, CA 90009-2957

## DIRECT TELEPHONE CALLS TO:

Derrick M. Reid  
(310) 336-6708

## DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

## SIGNATURE(S)

Full name of sole or first inventor: Philip A. Dafesh

Inventor's signature: Philip A. Dafesh

Date: 5-26-99 Country of Citizenship: U.S.A.

Residence: 3541 Tilden Avenue, Los Angeles, California 90034

Post Office Address: 3541 Tilden Avenue, Los Angeles, California 90034

Full name of second joint inventor, if any, Tien M. Nguyen

Inventor's signature: Philip A. Dafesh for Tien M. Nguyen

Date: 5-26-99 Country of Citizenship: U.S.A.

Residence: 433 Swanson Avenue, Placentia, California 92870

Post Office Address: 433 Swanson Avenue, Placentia, California 92870

Full name of third joint inventor, if any: \_\_\_\_\_

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_ Country of Citizenship: \_\_\_\_\_

Residence: \_\_\_\_\_

Post Office Address: \_\_\_\_\_

X This Declaration ends with this page-- page 2 of 2)

Derrick Michael Reid, Esq.  
The Aerospace Corporation  
P.O. Box 92957, M1/040  
Los Angeles, CA 90009  
(310) 336-6709  
Reg. No. 32,096

In the United States Patent Office  
Before the Assistant Commissioner of Patents

Inventors: Philip A. Dafesh )  
 )  
 ) Declaration of Philip A. Dafesh  
Title: Quadrature Product ) in lieu of Oath of the Co-inventor  
Subcarrier Modulation )  
System )  
 )  
 )  
 )  
 )  
Docket No. D-362 )  
\_\_\_\_\_ )

Assistant Commissioner of Patents  
Washington, DC 20231

Declaration

I, Philip A. Dafesh, do hereby declare and state:

1. I am a co-inventor of assignee, The Aerospace Corporation, located at 2350 East El Segundo Blvd, El Segundo, California 90245-4691, and I am authorized to execute this declaration on behalf of the assignee.

3. Co-inventor Mr. Tien M. Nguyen is also an employee of assignee, and his home address is 433 Swanson Avenue, Placentia, California, 92870.

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[illegible][illegible]

Philip A. Dafesh  
Philip A. Dafesh

Applicant or Patentee: Philip A. Dafesh and Tien M. Nguyen

Serial or Patent No.: \_\_\_\_\_

Filed or Issued: \_\_\_\_\_

For: QUADRATURE PRODUCT SUBCARRIER MODULATION METHOD

**VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY  
STATUS (37 CFR 1.9(f) and 1.27(d))--NONPROFIT ORGANIZATION**

I hereby declare that I am an official empowered to act on behalf of the nonprofit organization identified below:

NAME OF ORGANIZATION The Aerospace Corporation

ADDRESS OF ORGANIZATION P. O. Box 92957 (M1/040)

Los Angeles, CA 90009-2957

**TYPE OF ORGANIZATION**

☒ TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE (26 USC  
501 (a) and 501 (c) (3))

I hereby declare that the nonprofit organization identified above qualifies as a nonprofit organization as defined in 37 CFR 1.9(e) for purposes of paying reduced fees under Section 41(a) and (b) of Title 35, United States Code with regard to the invention entitled QUADRATURE PRODUCT SUBCARRIER MODULATION METHOD

by inventor(s) Philip A. Dafesh and Tien M. Nguyen

described in

☒ the specification filed herewith

☐ application serial No. \_\_\_\_\_, filed \_\_\_\_\_.

I hereby declare that rights under contract or law have been conveyed to and remain with the nonprofit organization with regard to the above identified invention.

If the rights held by the nonprofit organization are not exclusive, each individual, concern or organization having rights to the invention is listed and no rights to the invention are held by any person, other than the inventor, who could not qualify as a small business concern under 37 CFR 1.9(d) or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF PERSON SIGNING Robert Donald Matthews

TITLE IN ORGANIZATION Assistant General Counsel

ADDRESS OF PERSON SIGNING The Aerospace Corporation

P. O. Box 92957 (M1/040), Los Angeles, CA 90009-2957

SIGNATURE

Robert Donald Matthews DATE May 26, 1999

**PATENT**

Attorney's Docket No. D-362

jc594 U.S. PTO  
09/318560  
05/26/99

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X This Declaration ends with this page-- page 2 of 2)



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(Small Entity-Nonprofit-- page 1 of 2)

jc594 U.S. PTO  
09/318560  
05/26/99

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TITLE IN ORGANIZATION Assistant General Counsel

ADDRESS OF PERSON SIGNING The Aerospace Corporation

P. O. Box 92957 (M1/040), Los Angeles, CA 90009-2957

SIGNATURE

Robert Donald Matthews

DATE

May 26, 1999